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apoptosis inhibito apoptosis inhibito apoptosis inhibito apoptosis inhibito apoptosis inhibito inhibitor of apoptosis inhibitor of apoptosis inhibitor of apoptosis probable apoptosis kidney inhibitor of apoptosis kidney inhibitor of apoptosis inhibito cutl7 protein - Au apoptosis inhibito cutl7 protein - fi BIR repeat contain probable apoptosis one syndrome propobable apoptosis one syndrome propopothetical protein protein suffur cluste ecarin precursor - 3-methyladenine DN	Description	chance to have a result being printed, istribution,				219241			KVKCFCCGLMLDNWKLGDSP 55	time 101.88 Seconds t alignments) Million cell updates/sec		

ALIGNMENTS

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apoptosis inhibitor hiap-1 - human
C;Species: Homo sapians (man)
C;Species: Homo sapians (man)
C;Date: 17-Jul-1998 #sequence_revision 17-Jul-1998 #text_change 21-Jul-2000
C;Accession: S68449
R;Liston, P: Roy, N: Tamai, K: Lefebvre, C: Baird, S:; Cherton-Horvat, G:; Faraha
Nature 379, 349-353, 1996
A;Title: Suppression of apoptosis in mammallan cells by NAIP and a related family of
A;Reference number: A58182; MUID:96149249
A;Status: nucleic acid sequence not shown
A;Molecule type: mRNA
A;Residues: 1-604 <LIS>
A;Cross-references: EMBL:U45878; NID:g1184315; PIDN:AAC50371.1; PID:g1184316
C;Function:
A;Description: apoptosic suppressor
C;Superfamily: RING finger homology
C;Keywords: apoptosis; zinc finger
F;553-597/Domain: RING finger homology <RNG>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         apoptosis inhibitor hiap-2 - human
C;Species: Homo sapiens (man)
C;Date: 17-Jul-1998 #sequence_revision 17-Jul-1998 #text_change 21-Jul-2000
C;Accession: S68450
R;Liston, P; ROy, N; Tamai, K.; Lefebvre, C.; Baird, S.; Cherton-Horvat, G.; Faraha
Nature 379, 349-353, 1996
A;Title: Suppression of apoptosis in mammalian cells by NAIP and a related family of
A;Reference number: A58182; MJID:96149249
A;Reference number: A58182; MJID:96149249
A;Status: nucleic acid sequence not shown
A;Molecule type: mRNA
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A;Description: apoptosic suppressor
C;Superfamily: RING finger homology
C;Keywords: apoptosic; zinc finger
F;567-611/Domain: RING finger homology <RNG>
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S68449
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R;Stehlik, C.; de Martin, R.; Binder, B.R.; Lipp, J. Blochem. Biophys. Res. Commun. 243, 827-832, 1998 A;Title: Cytokine induced expression of porcine inhil A;Reference number: JC5964; MUID:98162622 A;Accession: JC5964
                                                                                                                                                                                                                                                                              apoptosis inhibitor - pig
C:Species: Sus scrofa domestica (domestic pig)
C:Date: 04-Sep-1998 *sequence_revision 04-Sep-1998 *text_change
C:Accession: JC5964
R:Stehlik, C.; de Martin, R.; Binder, B.R.; Lipp. J.
                                                                           A:Status: preliminary
A:Molecule type: DNA
A:Molecule type: DNA
A:Residues: 1-358 <STE>
A:Cross-references: GB:U79142; NID:g2957174; PIDN:AAC39171.1; PID:g2957175
C:Superfamily: RING finger homology
F:307-351/Domain: RING finger homology <RRN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Description: apoptotic suppressor C;Superfamily: apoptosis inhibitor IAP homolog;C;Keywords: apoptosis; zlnc finger C;Keywords: apoptosis; zlnc finger homology <RRN>
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R;Liston, P; Roy, N.; Tamai, K.; Lefebvre, C.;
Nature 379, 349-353, 1996
A;Title: Suppression of apoptosis in mammalian ca;Reference number: A58182; MUID:96149249
A;Accession: S68451
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JC5964
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C; Function:
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A;Molecule type: mRNA
A;Residues: 1-161,'C',163-422,'Q',424-497 <LIS>
A;Cross-references: EMBL:U45880; NID:g1184319;
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  Query Match
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Conservative
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Pred. No. 9e-31;
  Score
Pred.
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Pred. No. 1.3e-12;
B; Mismatches 17;
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  140;
No. 2.
  DB 2;
.7e-10;
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                   Length 358
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Virology 229, 381-399, 1997

A;Title: The sequence of the Orgyla pseudotsugata multinucleocapsid nuclear polyhedro A;Reference number: Z17011; MUID:97271300

A;Status: C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, G.F.

Virology 229, 381-399, 1997

A;Title: The sequence of the Orgyla pseudotsugata multinucleocapsid nuclear polyhedro A;Reference number: Z17011; MUID:97271300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C;Accession: A53989
C;Accession: A53989
R;Birnbaum, M.J.; Clem, R.J.; Miller, L.K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A; Molecule type: DNA
A; Residues: 1-268 <AHR>
A; Residues: 1-268 <AHR>
A; Cross-references: EMBL: U75930; NID: 92934903; PIDN: AAC59034.1; PID: 91911281
C; Superfamily: viral apoptosis inhibitor IAP; RING finger homology
F; 217-261/Domain: RING finger homology <RRN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     inhibitor of apoptosis protein 3 - Orgyia pseudotsugata nuclear polyhedrosis C;Speckes: Orgyia pseudotsugata nuclear polyhedrosis virus, OpMNPV C;Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 15-Sep-2000 C;Accession: T10304 R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, R;Ahrens, C.A.; Russell, R;Ahrens, R;Ahr
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T10304
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A;Residues: 1-268 <BIR>
A;Residues: 1-268 <BIR>
A;Cross-references: GB:LZ2564; NID:g456111; PIDN:AAB02610.1; PID:g456114
A;Cross-references: GB:LZ2564; NID:g456111; PIDN:AAB02610.1; PID:g456114
A;Note: authors translated the codon TGG for residue 28 as Tyr, GAC for C;Superfamily: viral apoptosis inhibitor IAP; RING finger homology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           J. Virol. 68, 2521-2528, 1994
A;Title: An apoptosis-inhibiting gene from a A;Reference number: A53989; MUID:94187094
A;Accession: A53989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               apoptosis-inhibiting protein - Orgyia pseudotsugata multicapsid nuclear polyhedrosis
C;Species: Orgyia pseudotsugata multicapsid nuclear polyhedrosis virus, OpMNPV
C;Date: 15-Oct_1994 #sequence_revision 15-Oct-1994 #text_change 15-Sep-2000
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                                                             C:Date: 05-Jan-1996 #sequence_revision 05-Jan-1996 #text_change 02-Feb-2001 C:Accession: A55478
                                                                                                                           N;Alternate names: NAIP
C;Species: Homo sapiens
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.; Mahadevan, M.S.; McLean, de Jong, P.J.; Surh, L.; I
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                                                                                                                               Homo sapiens (man)
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                                  M.; Shutler,
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1.2e-09;
les 21;
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      G.; Yaraghi,
orneluk, R.G.;
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Korneluk,

MacKenzie,

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A;Cross-references: GDB:120378; OMIM:600354; OMIM:253300
A,Map position: 5q12.2-5q13
C;Keywords: apoptosis ATP; glycoprotein; nucleotide binding; p-loop; transmembrane preferences: predicted <TMM1>
F;94-110/Domain: transmembrane #status predicted <TMM1>
F;470-477/Region: nucleotide-binding motif A (P-loop)
F;479-496/Domain: transmembrane #status predicted <TMM2>
F;476/Binding site: ATP (Lys) #status predicted
F;618,632,823,923,1035/Binding site: carbohydrate (Asn) (covalent) #status predicted
A;Cross-references: EMBL:AF003534; NID:g2738385; C;Superfamily: RING finger homology F;159-202/Domain: RING finger homology <RRN>
                                                                                                                                                                                                                                                                                     probable apoptosis inhibitor - Chilo iridescent virus C:Species: Chilo iridescent virus C:Date: 24-Mar-1999 #sequence_revision 24-Mar-1999 #tc:Accession: T03183 R:Bahr, U: Tidona, C.A.; Darai, G. Virus Genes 15, 235-245, 1997 Virus Genes 15, 235-245, 1997 A:Title: The DNA sequence of Chilo iridescent virus be a control of the control 
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A;Title: CDNA cloning and the 5'genomic organization A;Reference number: Z22179; MUID:99315342
A;Accession: T42628
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C;Genetics:
                                                                                                             A; Molecule type: DNA
A; Residues: 1-208 <BAH>
                                                                                                                                                                            A; Status: preliminary; translated from GB/EMBL/DDB:
                                                                                                                                                                                                                       A; Reference number: Z14834; MUID:98141693
A; Accession: T03183
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A;Residues: 1-1447 <YAR>
A;Cross-references: EMBL:AF102871; NID:g3860228; PID:g3860229; PIDN:AAC73002.1
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A;Title: The gene for neuronal apoptosis inhibitory protein
A;Reference number: A55478; MUID:95112344
A;Accession: A55478
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A; Residues: 1-1232 <ROY>
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Best Local Similarity
Matches 22; Conser
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Best Local
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Pred. No. 2.1e-07;
0; Mismatches 22;
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Pred. No. 7.5e-08;
1; Mismatches 21;
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                                                                          PIDN: AAB94481.1; PID: g2738454
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C;Date: 31.....
C;Accession: JC7568
C;Accession: JC7568
R;Lin, J.H.; Deng, G.; Huang, Q.; Morser, J.
Biochem. Biophys. Res. Commun. 279, 820-831, 2000
Biochem. Biophys. Res. Commun. 279, 820-831, 2000
A;Title: KIAP, a novel member of the inhibitor of apoptosis
                                                                                                                                                                                                                            A; Status, France, A; Status, France, A; Status, France, A; Molecule type: DNA
A; Molecule type: DNA
A; Molecule type: DNA
A; Molecules t
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J. Virol. 67, 2168-2174, 1993
A;Title: An apoptosis-inhibiting baculovirus gene with A;Reference number: A45679; MUID:93188168
A;Accession: A45679
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C;Date: 31-Mar-2001 #sequence_revision 31-Mar-2001 #text_change 31-Mar-2001
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Dр
                                                                                                                                                                                                                                                                                                                                                                                                                                            A; Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C; Accession: A45679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         inhibitor-of-apoptosis polypeptide (IAP) - Cydia pomonella granulosis virus CpGV
C;Species: Cydia pomonella granulosis virus CpGV
C;Date: 21-Sep-1993 #sequence_revision 25-Apr-1997 #text_change 15-Sep-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Map position:
C; Keywords: apo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C; Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C; Comment: This protein,
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A; Residues: 1-298 <LIN>
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Best Local S
Matches 19
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Best Local S
Matches 23
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les 23; Conserv
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                                                         ELYRMSTYSTFPAGVPVSERSLARAGFYYTGVNDKVKCFCCGLMLDNWKLGDSP 55
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apoptosis
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19; Conser
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42.6%;
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                                                                                                                          Score 103.5; DB Pred. No. 1e-05; 4; Mismatches
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Pred. No. 2.1e-07;
9; Mismatches 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              finger-like motif.
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ORF MSV248 probable inhibitor

of apoptosis protein (IAP)

Melanoplus sanguinipes

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12

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C;Species: Melanoplus sanguinipes encomposition 21-Jan-2000 #text_change 21-Jul-2 C;Date: 21-Jan-2000 #sequence_revision 21-Jan-2000 #text_change 21-Jul-2 C;Accession: T28409 #text_change 21-Jul-2 C;Accession: T28409 #text_change 21-Jul-2 C;Accession: T28409 #text_change 21-Jul-2 C;Accession: T28409 A;Status: preliminary; translated from GB/EMBL/DDBJ A:Status: preliminary; translated from GB/EMBL/DDBJ
apoptosis inhibitor IAP homolog - fruit fly (Drose C;Speckes: Drosophila melanogaster C;Date: 06-Dec-1996 #sequence_revision 13-Mar-1997 C;Accession: S69545 R;Duckett, C.S.; Nava, V.E.; Gedrich, R.W.; Clem, EMBO J. 15, 2685-2694, 1996
                                                                                                                                                     RESULT
S69545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Cross-references: FlyBase:FBgn0015247
C;Function:
A;Description: apoptotic suppressor
C;Superfamily: apoptosis inhibitor IAP homolog; RING
C;Keywords: apoptosis; zinc finger
F;445-489/Domain: RING finger homology <RNG>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             apoptosis inhibitor diap - fruit fly (Drosophila melanogaster)
C;Species: Drosophila melanogaster
C;Date: 17-Jul-1998 #sequence_revision 17-Jul-1998 #text_change 17-Nov-2000
C;Accession: $68452; $78528
R;Liston, P.; Roy, N.; Tamai, K.; Lefebvre, C.; Baird, S.; Cherton-Horvat, (Mature 379, 349-333, 1996
A;Title: Suppression of apoptosis in mammalian cells by NAIP and a related a, Reference number: A58182; MUID:96149249
A;Accession: $68452
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Molecule type: mRNA
A;Residues: 1-36,'AT',37,'K',39,'L',41-44,'H',46-58,'Q',60-412,'A',414-427,'A',429-496
A;Cross-references: EMBL:U45881; NID:g1184313; PIDN:AAC46988.1; PID:g1184314
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A; Residues: 1-496 <LIS>
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C;Genetics:
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A; Residues: 1-150 < AFO>
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Date: 21-Jan-2000 #sequence_revision 21-Jan-2000 #text_change 21-Jul-2000
Recession: T28409
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Best Local
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Best Local Similarity
Matches 18; Conserv
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19; Conserv
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                                                                                                                                                                                                                                                                                                                                              Score 102; DB 2;
Pred. No. 2.8e-05;
2; Mismatches 24;
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Pred. No. 6.7e-06;
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                                                                          13-Mar-1997
                                                                                                                        (Drosophila
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                         R.J.; van Dongen, J.L.; Gilfillan,
                                                                        #text_change
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                                                                             21-Jan-2000
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Search completed: Job time: 702 sec

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R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, G.F. Virology 229, 381-399, 1997
A;Title: The sequence of the Orgyla pseudotsugata multinucleocapsid nuclear polyhedro A;Reference number: Z17011; MUID:97271300
                                                                                                                                                                                                                                                                                                                                                                                                       apoptosis-inhibiting protein 1 - Orgyla pseudotsugata nuclear polyhedrosis virus C;Species: Orgyla pseudotsugata nuclear polyhedrosis virus, OpMNPV C;Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 15-Sep-2000 C;Accession: T10310
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C;Superfamily: apoptosis inhibitor IAP homolog;
F;446-490/Domain: RING finger homology <RRN>
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                                                                                                                                                                              C; Superfamily: viral ap
F; 223-268/Domain: RING
                                                                                                                                                                                                 A;Cross-references: EMBL:U75930; NID:g2934903; PIDN:AAC59040.1; PID:g1911287
C;Superfamily: viral apoptosis inhibitor IAP; RING finger homology
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A; Residues: 1-275 <AHR>
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A; Residues: 1-497 < DUC>
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Best Local S
Matches 19
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Best Local (
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  129
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                                        5 RMSTYSTFPAGVPVSERSLARAGFYYTGVNDKVKCFCCGLMLDNWKLGDSP 55
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CELYRMSTYSTFPAGVPVSERSLARAGFYYTGVNDKVKCFCCGLMLDNWKLGDSP
  RRATEDHWPAALNALTHDIAEAGMEHTMLGDETACEECDCRVRDWLPGDDP
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                                                                                                  Similarity
                                                                                 Conservative
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                                                                                                30.3%;
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2.8e-05;
hes 24;
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